Army Oil Analysis to MG Stevenson

22 Jan 04

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U.S. Army Materiel Command

ESSENTIAL IN PEACE, INDISPENSABLE IN WAR

Bottom Line Up Front

- **Restructure Plan Will Centralize Policy, Program Management, Funding, and Operational Responsibility Under a Single Program Manager in AMC ("One Belly Button to Push")**
  - **Three Phased Approach**
    - **Phase I (FY 03) - Employ Administrative Enablers**
    - **Phase II (FY 04) - Assume OPCON of CONUS - Based Laboratories**
    - **Phase III (FY 05) – Assume C2 of All Laboratories Worldwide**
- **ASCC/MACOM Positions:**
  - **FORSCOM, TRADOC, IMA, USARSO, USARPAC, ARCENT, NGB All Concur**
  - **USAREUR Concurs With Caveat (Want Us to Test in CONUS)**
  - **EUSA Concurs With Caveat (Want Us to Test in**

AOAP Strategy

Leverage and Exploit Technology

Near-Term (FY 03)

Current Baseline Suppor
Fragmented
Sub-optimized

- Optimize Enrollment
- Optimize Sampling Interva

Mid-Term (FY 04-08)

"Bridge The Gap" Support
Improved
Capitalized Enablers

- Centralize Program Management
- Ports, Valves, & Filter Improvements
- State-of-the-art Laboratory Equipment
- Portable Hand Held Screening Devices

Long-Term (FY 09 - Out)

Objective Force Support
Nonintrusive
Technologically Optimized

- In-line, Online Embedded sy

- 1 Year Prototype
- 4 Years Production
- 5-10 Yrs Mass Production

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Background

- DA G-4 Approved AOAP Restructure Plan Sep 03
  - Directed to Meet With Training PEG for Funding
  - Directed Expediting C2 of Labs to FY04 vice FY05
- Met with Training PEG Reps in Sep 03
  - Supported AOAP But Felt Bill Was Sustainment PEG Responsibility
  - Two Sides Agreed to Prep Respective Bosses (G-3 & G-4) to Discuss and Decide Who Pays
- Ms. Plummer Gave New Direction at Prep Session Pre-Brief
  - Sub-Optimized Disenrollments
  - Accelerate Closure of Labs – Keep AVN Labs Open
  - Update Cost Estimates for Lab Operations
  - Plans to Recommend Use of $9.2 M Lab Equipment Funding for FY04 Lab Operations
- COL Hills Gave Further Direction at VTC on 9 Jan 04
  - Provide Current FY04 Lab Contract Expiration Dates and Bottom line Operations Cost for FY04
  - Provide 1-N Prioritization Listing of Lab Equipment Requirements
  - Use GWOT Funding for Mobile Labs
  - Review Methodology of Lab Closure Plan With Goal of Expediting Closures

Briefings to Date

Date	To Whom	Subject/Purpose
Nov 99	MG Deyermond	AOAP
Feb 01	GEN Coburn	DA AOAP Restructure
Mar 02	MG Deyermond	AOAP
Mar 02	CG-TACOM	AOAP
May 02	MG Deyermond	AOAP Restructure
Jun 02	MG Deyermond	AOAP Update
Oct 02	Mr. Motsek	Overhaul AOAP-Alt. proposal LTTF Initiative #9
Nov 02	BG Waterman	AOAP Limited EA
Dec 02	GEN Kern	Why AOAP?
Jan 03	Mr. Biamon	Overhaul AOAP-Alt. Proposal
Feb 03	COL Ramsey & DAPA&E Validation	AOAP Restructure and POM
Feb 03	MG Deyermond	AAA Update
Feb 03	JOAP CG	AOAP Restructure Plan
Mar 03	Mr. Motsek	AMSAA Initial Assessment
Jul 03	MG Stevenson	AOAP Restructure Status
Aug 03	MG Stevenson	AMSAA Initial Assessment
Sep 03	MG(P) Christianson	AOAP Restructure Brief
Oct 03	MG Stevenson	AOAP & Airworthiness
Oct 03	GEN Kern	AOAP Airworthiness
Jan 04	COL Hills	AOAP Restructure Funding for Equipment

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Directives and Taskings

- LIA study recommended reviewing items enrolled in AOAP and C2 of the program should fall under one organization
- Mar 01, Memo from MG Mongeon stating that Restructure plan tentatively approved; perform enrolled equipment and components analysis as a result of LIA study. Also need to consolidate enrolled equipment (aero vs non-aero) into a single Technical Bulletin
- AAA study recommended that AOAP Program Management go under LOGSA,

  increase staffing to handle workload requirements, and strengthen the centralized

  management for AOAP
- Feb 02, Memo from BG Edmunds approving AOAP restructure plan contingent upon AMC providing same or better level of service
- Mar 02, VOCO from DA G4 – AR's,TM's update, Economic Analysis, Enrollment review (Lube Orders/OEM update
- CG AMC directed AMSAA to perform EA; re-look of non-aeronautical components enrolled, however, aeronautical sampling made AOAP worthwhile. Also, re-look Limited EA criteria used by UAH
- Mar 03, AMC G3 direction to form collaborative alliance with TACOM
- Sep 03 Army G4 directed we accelerate implementation of

Optimization / Reductions

AOAP End Items and Components Enrolled

Reduction
13% End Items
17% Components
(02 WWC*)

	FY 95	FY01	FY04 Current	
• Aeronautical:	82	38	34	End Items
	295	177	151	Components
• Non–Aeronautical:	758	664	588	End Items
	1828	1636	1398	Components

- Some End Items Obsolete in Active Army but not in NG/RC
- Also Increased Sampling Intervals on All Ground Tactical Rolling Stock and Some Aviation Components e.g. UH-60
- AOAP End Items and Components Sampling Interval Extended As a Result of FY02 WWC
  - (a) Aeronautical - 33 End Items & 56 Components
  - (b) Non-aeronautical - 170 End Items & 339 Components
  - (Tactical Vehicles to 180 days from 90 days)
- AOAP Will Continue Annual Workload Requirements Conferences

Strategy for $9.2M lab equipment

Priority By Equipment

1. Spectroil M/N
2. Upgrades
3. OASIS – hardware & software
4. Passport
5. Particle Counter
6. PALL H_20 Sensor
7. X-Ray
8. FT-IR
9. Maintenance Kits
10. Viscometer

Priority By Lab

1. Mobile Labs
2. Forward Deployed Labs (EUSA/USAREU
3. First to Fight/Aviation Oriented Labs:
   a. Fort Campbell
   b. Fort Bragg
   c. Fort Drum
   d. Fort Carlson
   e. Fort Riley
   f. Fort Lewis
   g. Fort Stewart
   h. Fort Hoo
   i. Fort Ruc
   j. Fort Polk
   k. USARPA
4. TRADOC Labs:
   a. Fort Knox
   b. Fort Bliss
5. Others:
   a. Goose Creek
   b. AMC Depots
   c. Fort Irwin

Program Laboratories

CONUS AOAP LABS (14)

1. FORT BLISS, TX
2. FORT BRAGG, NC
3. *FORT CAMPBELL, KY
4. FORT CARSON, CO
5. FORT HOOD, TX
6. FORT IRWIN, CA
7. FORT KNOX, KY
8. FORT POLK, LA
9. FORT RILEY, KS
10. *FORT RUCKER, AL
11. FORT STEWART, GA
12. *GOOSE CREEK, SC
13. FORT DRUM, NY
14. FORT LEWIS, WA

OCONUS AOAP LABS (5)

1. *COLEMAN BARRACKS, GERMANY
2. BAMBERG, GERMANY
3. *CAMP HUMPHREYS, KOREA
4. *FORT RICHARDSON, ALASKA
5. COMANCHE BASE, TUZLA, BOSNIA
6. CAMP BONDSTEEL, KOSOVO

AMC USAREUR
FORSCOM USAEIGHT
TRADOC USARPAC
NGB JOINT LAB

AOAP MOBILE LABS (2)

1. *SWA (SCNG) 792D QM Team
2. *SWA (TXNG) 1113th QM Team

CONUS DEPOT QA LABS (3)

1. *ANNISTON AD, AL
2. *RED RIVER AD, TX
3. *CORPUS CHRISTI AD, TX

OCONUS JOINT LABORATORY SUPPORTING ARMY (1)

1. *PEARL HARBOR, HI (NAVY)

*GOVERNMENT OPERATED

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Methodology for Lab Closure

- Over Arching DA guidance
  - Reduce Lab Infrastructure based on optimizing sampling intervals/component enrollments and leveraging technology for Weapon Systems embedded diagnostics
- Assumptions:
  - MACOMs/ASCCs agree to closure
  - Transportation availability to move samples
  - Embedded diagnostics technology available, accurate, and affordable
  - 20% decrease in workload in FY04 and 5% decrease thereafter
  - Minimal impact on readiness
- 70 – 80K samples: Standard metric for annual workload for Lab
- 35 – 40K samples: metric for closing a laboratory
- Used FY02 actual sample workload as Baseline
- Close Bamberg, Bosnia, Kosovo, FT. Richardson, and Fort Irwin Labs in FY06 Shift workload to Manheim and Fort Lewis Labs
- Close all labs but ARCENT, USAREUR, EUSA, USARPAC, FT. Lewis, FT. Bragg, FT. Hood, FT. Campbell and FT. Rucker – in FY09
- Close FT. Campbell and Fort Rucker Lab in FY10 shifting workload to FT. Bragg
- Need Theater/Corps Labs to remain open for higher level analysis